

Specifications

Belt Scale Systems

Equipment Warranty

For a period of two (2) years from the date of shipment we guarantee our equipment to be free of defects in materials and workmanship. At ConveyWeigh's discretion we will repair or replace any defective components free of charge including parts and labor at our facility. This does NOT cover lightning damage or overloading the load cells.

Minimum Net Load at Rated Capacity	15% of load cell capacity
Maximum Gross Load at Rated Capacity	80% of load cell capacity
Available Load Cell Sizes	45kg (100lb), 114kg (250lb), 227kg (500lb)
Minimum Belt Width	457mm (18in)
Maximum Belt Width	1,828mm (72in)

Load Cell

Load Cell Type (Quantity)	Single-Ended Shear Beam (2)
Load Cell Output (Rated Output)	3.0Mv/V \pm 0.1%
Excitation	12VDC or VAC
Load Cell Rating	NTEP Approved, Meets OIML and HB44 III Standards
Temperature Range	-40°C to +80°C (-104°F to +176°F) safe; -10°C to +40°C (-50°F to +104°F) compensated
Overload	150% of rated capacity
Input Impedance	385 ohms \pm 10
Output Impedance	350 ohms \pm 4
Environmental Protection	Hermetically-sealed; IP6
Load Cell Construction	Plated Tool Steel
Cable	6 Conductor, Shielded, 22 AWG

Positive Contact Speed Sensor

Type	Digital, Proximity Type
Mounting	Bolts to weighbridge
Construction	Tubular Steel, Solid Steel Wheel, Greasable Bearings
Mounting Hardware	Supplied with Bronze Bushing Pivot, Stainless Steel Pivot Pin
Shipping Weight	12.70 kg (28 lb)

Belt-Pro Electronic Integrator - Field Mount Enclosure

Size	203 mm (8 in) high x 152 mm (6 in) wide x 89mm (3.5 in) deep
Material	Galvanized Steel
Shipping Weight	3 kg (6 lb)
Protection	IP 65, NEMA 4X

Belt-Pro Electronic Integrator - Environmental Specifications

Operating Temperature	-10°C to +65°C (+14°F to +140°F)
Storage Temperature	-30°C to +80°C (-22°F to +176°F)
Humidity	20 - 70% non-condensing

Belt-Pro Electronic Integrator - Power Requirements

Voltage	100 - 240 VAC at 50-60 Hz; 10W
Wire	14AWG recommended for power connection
Protection	Internal fuse, 1A TR5

Belt-Pro Electronic Integrator - Inputs and Outputs

Analog Inputs	Mv signal from load cell
Analog Outputs (Requires Optional Card)	Quantity: 1 Type: 4-20mA, 0 - 10V Maximum Load: 500 ohm Resolution: 12 bit; 4,096 divisions Linearity: 0.1% Insulation: Galvanic; 1,500 Vrms
Remote Tons Counter	Quantity: 1 Type: Relay; Dry Contact; N.O. Insulation: Galvanic; 10,000 M-ohm Max Voltage: 125VAC or 110 VDC Max Current: 0.6A
Communication Ports	RS232: 1 each, Full Duplex RS485: 1 each, Half Duplex



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